

FIGURE 156

AAAAAAGCTCACTAAAGTTTCTATTAGAGCGAATACGGTAGATTTCATCCCCCTTTTGAAGAACAGTACTGTGGA
 GCTATTTAGAGATTA AAAACGAAATATCCTTTCTGGGAGTTTCAAGATTGTGCAGTAATTGGTTAGGACTCTGAGC
 GCCCTCTTTCAACAATCGGGAGAGAAAAGCGGAGATCCTGCTCGCCTTGACCGCCCTGAGACCAAGCAGAT
 AGCTAGGAATGAACCATCCTCGGGAGTATGTGGAAACACCGAGGAGCTCTGACTCTCCCACTGTCCCATCTCAT
 GGGCGAAGGAATCTGCTCTGACTCTCAGTGGTTAAGGGCAGAATTTGAAAATAAATCTGGAGGAAAGATAAGATATGAT
 TCCCTGCGGACTGCAACGGGACTACAAGAGGCTTGTCTCTGCGGAATCCCTCTGGGGACTCTGTGGGAGACCGG
 ATGCAACCCAGATACGCTATTCAAGTTCCGGAAGAGCTGGAGAAAGGCTCTAGGGTGGGCGACATCTCCAGGACCT
 GGGCTCGGAGCCCGGGAGCTCGCGGAGCGCGAGTCCGATCATCCCGAGGATAGGACGCGAGCTTTTCGCCCT
 GAATCGCGCAGCGGAGCTTGGTCACGCGGGCAGGATAGACCGGGAGGAGCTCTGTATGGGGCCATCAAGTG
 TCAATTAATCTAGACATTTCTGATGGAGGATAAAGTAAAAATATATGGAGTAGAAGTAGAAGTAAGGGAATGATTA
 CGACAATGGCGCTTAATTTCTGTGAAGTGAATTAGAAAATAAAATAGTGAACCACTGAGATGGCGGT
 CCCTCTACCCACGCGCTGGGATCCGGATATCGGGAAGAACTCTCTGACAGACTACGAGCTCAGCCGAACTCA
 CTCTCCCTCATCGTGCAAAATGGAGCGGACGCTAGTAGAAGTACCCGGAATTTGGTCTGAAACGCGCCCTGGACCG
 CGAAGAAAAGGCTGCTCAACACCTGGTCTTACGGCTCGACGGGGCGACCCGGTGCACAGGACCGCGCG
 CATCCGCGTATGGTTCTGGATGCGAAGCAACGACACCGCTTTGCTCAGCCGAGTACCGCGCGAGCGTTCC
 GGAGAATCTGGCCTTGGGCACGAGCTGCTTTAGTCAACGCTACCGACCTGACGAAGGAGTCAATGCGGAAGT
 GAGGATTTCTTCCGGTATGTGGAGCAAGGCGGCCAAGTTTTCAAACTAGATTGTAATTCAGGGACAATATC
 AACATAAGGGAGTTGGACCGAGGAGTCAGGATTTCTACAGATGGAAGTGAACGAATGGATAATGCGAGGATA
 TTCTGCGCGAGCAAAAGTCTGATCACTGTTCTTGGAGCTGAACGACAATGCCCGAAGTGGTCTCACTCTCT
 CGGCAGCTCGGTTCCCGAAAATCTCCAGAGGGAATTAATTTGCCCTTTTAAATGTAATGCAACGAATTTCTGA
 GGAAAACCGACAGATGATCTGTTTCTATCCAAAGAAATCTGCCCTTTAAATTAAGAAAATCTTACGGAATTA
 TAGTTTAGTCCAGACATAGTCTTGGATAGGGAACAGGTTCCCTAGCTACACATCAAGTGAACCGCCGAGTACGGC
 GAGAACCCGCCCTATCTCCAGGAACTCATATCTGCTGAACGTGGGACAGACCAACGACCGCCCGGTTCT
 CCCTCAGGCTCTCTATTCGGCTTATATCCAGAGAACAACTCCAGAGGAGTTTCCCTCGTCTCTGTGACCGCGCA
 CGACCCGACTGTGAAGAGAACCCAGATCACTATTCTCCTGCGTGAACACCTCAAGAGGACAGCTTATC
 GTCTACGTGCTCATCACTCCGACACTGGGGTACTGTATGCGCTGAGCTCCTTCGACTACGAGCACTTCCGAGA
 CTTGCAAGTGAAGTGTATGCGCGGGAACACGGGACCCGCCCTCAGCAGCAACGTGTCTGTGAGCCTGTTCTGT
 CTGTGACGAGAACAGTCACTTCCGCGGAGATCTGTGACCCCGCCTCCCAAGGACGGTTTCACTGTGGGTGGAGCT
 GGTCTCCCGCTCCGAGAGCCGGCTACCTGGTGACCAAGTGGTGGCGGTGAACAGAGACTCCGGGCGAGAAGCG
 CTGGCTGTCTTACCGTCTGCTCAAGGCCAGCGAGCCGGGACTCTTCTCGTGGGTCTGCACACGGGCGAGGTGCG
 CACGGCGGAGCCCTGTGAGCAGAGACCGGCTCAAGCAGAGCCTCGTAGTGGCGGTCCAGGACCAACGGCAGGCC
 CCCTCTCTCCGCCACTGTCAAGCTCAGCGTGGCGGTGCGCGACAGCATCCCCAAGTCTGTGCGGACCTCGGCG
 CTTGAGTCTCCAGTCAACTCTGAAACCTCAGAGCTCACTCTGTACTGTTGGTGGTGGCGGTGGCGCGGCTCTCTG
 CSTCTTCTGGGCTTCGTATCTCTGCTGTGGCGCTCAGGCTGCGGCGTGGCAAGTCAACGCTGTCTGCGAGG
 TTCAGGAGGCGGCTTGACAGGAGCGCGCGGTGCACTTTGTGGCGGTGGAACGGGTGCAAGCTTTCTGCGAGC
 CATTTCTCCAGAGGTTTCCCTCACCACGACTCGCGAAGAGTCACTGATCTTCCCCAGCCAACTATGCAAG
 CATGCTCGTCAAGCAGGAGGCTTTGAAAAGAGGAGCCCTTTTGTGTGAGTGGTATTCGGTATTTCTAAGAA
 CAGTCATGGGTTAATTGAGGTGAGTTTATATCAAATCTTTCTTTTCTTTTAAATGCTGTCTCCCAAGC
 TGGAGTCGAGCGGTACGATCATAGCTCACTGCGGCTCAAACCTCTAGGCTCAAGCAATATCCACCTTTGCCT
 CGGTGTAAACAGGACTACAGGTGCAAGCCACTACTGTCTGCTATCTATCTATCTATCTATCTATCTATCTAT
 CTATCTATCTATCTATCTATCTATTTCTGTACAGACGGGAGTCTACGCGCTGTAATCCAGTACTTTGGGAGGC
 CGAGCGGGGTGATCACTCGAGGTTGGGAGTTTGAACACGAGCTGACCAACAGGAAACCCCGTCTATACTAA
 AAAAATACAAATAGCCGGGCGTGGTGGTGCATGTCTGTAATCCAGTCACTTGGGAGGCTGAGTCAGGAGAA
 TGCTTTAACTGGGAGGTGGAGTTGCAATGAGCTGAGATTGTGCAATGCACTCAGCGCTGGGCAACAGAGTG
 AAACCTCTATCTCA

0070205-10501

FIGURE 157

></usr/seqdb2/sst/DNA/Dnaseqs.min/ss.DNA48306

><subunit 1 of 1, 916 aa, 1 stop

><MW: 100204, pI: 4.92, NX(S/T): 4

MIPARLHRDYKGLVLLGILLGLTWETGCTQIRYSVPBEELEKGSRVGDISRDLGLEPRELAER
GVRIIPRGRTQLFALNPRSGSLVTAGRIDREELCMGAIKQLNLDILMEDKVKIYGVVEVEVR
DINDNAPYFRESELEIKISENAATEMRFPPLPHAWDPDIGKNSLQSYELSFNTHFSLIVQNGA
DGSKYPELVLKRALDREEKAAHHLVLTASDGGDPVRTGTARIRVMVLDANDNAPAFQAPEYR
ASVPENLALGTQLLVVNATDPDEGVNAEVRYSFYVDDKAAQVFKLDCNSGTISTIGELDHE
ESGFYQMEVQAMDNAGYSARAKVLITVLDVNDNAPEVVLTSLASSVPENSPRGTLIALLVN
DQDSEENGQVICFIQGNLPFKLEKSYGNYSLVTDIVLDREQVPSYNITVTATDRGTPPLST
ETHISLVNADTNDNPFVFPQASYSAYIPENNPRGVSLVSVTAHDPDCEENAQITYSLAENTI
QGASLSYSVSINSDTGVLIALSSFDYEQFRDLQVKVMARDNGHPPLSSNVSLSLFVLDQNDN
APEILYPALPTDGSTGVELAPRSAEPGYLVTKVVAVDRDSGQNAWLSYRLLKASEPGLFSVG
LHTGEVRTARALLDRDALKQSLVVAVQDHGQPPLSATVTLTVAVADSIPQVLADLGSLESFA
NSETSDLTLYLVVAVAAVSCVFLAFVILLALLRLRRWHKSRLLQASGGGLTGAPASHFVGVD
GVQAFQLQTYFSHEVSLTTDSRKSHLIFPQPNYADMLVSQESFEKSEPLLLSGDSVFSKDSHGL
IEVSLYQIIFLFFFNCSVSQAGVQRYDHSSLRPQTPRLKQLSHLCLRCNRDYRCKPPTVCLS
IYLSIYLSIYLSIYLLLSCTDGSLTFVIPVLWEAEAGGSPEVGSLRPA

Signal sequence:

amino acids 1-30

Transmembrane domains:

amino acids 693-711, 809-823, 869-888

097825-10501
10101-562660

FIGURE 158

CCCAGGCTCTAGTGCAGGAGGAGAAGGAGGAGGAGCAGGAGGTGGAGATTCCCAGTTAAAAG
GCTCCAGAATCGTGTAACAGGCAGAGAACTGAAGTACTGGGGCTCCTCCACTGGGTCCGAA
TCAGTAGGTGACCCCGCCCTGGATTCTGGAAGACCTCACCATGGGACGCCCCGACCTCGT
GCGGCCAAGACGTGGATGTTCTGCTCTTGCTGGGGGAGCCTGGGCAGGACACTCCAGGGC
ACAGGAGGACAAGGTGCTGGGGGTCATGAGTGCCAACCCATTTCGCAGCCTTGGCAGGCGG
CCTTGTTCCAGGGCCAGCAACTACTCTGTGGCGGTGTCCTTGTAGGTGGCAACTGGGTCTTT
ACAGCTGCCCCTGTAAAAAACCGAAATACACAGTACGCCTGGGAGACCACAGCCTACAGAA
TAAAGATGGCCCAGAGCAAGAAATACCTGTGGTTCAGTCCATCCCACACCCCTGCTACAACA
GCAGCGATGTGGAGGACCACAACCATGATCTGATGCTTCTTCAACTGCGTGACCAGGCATCC
CTGGGGTCCAAAGTGAAGCCCATCAGCCTGGCAGATCATTGCACCCAGCCTGGCCAGAAGTG
CACCGTCTCAGGCTGGGGCACTGTCACCAGTCCCGAGAGAATTTTCTGACACTCTCAACT
GTGCAGAAGTAAAAATCTTTCCCGAGAAGAAGTGTGAGGATGCTTACCCGGGGCAGATCACA
GATGGCATGGTCTGTGCAGGCAGCAGCAAGGGGCTGACACGTGCCAGGGCGATTCTGGAGG
CCCCCTGGTGTTGATGGTGCACCTCCAGGGCATCACATCCTGGGGCTCAGACCCCTGTGGGA
GGTCCGACAAACCTGGCGTCTATACCAACATCTGCCGCTACCTGGACTGGATCAAGAAGATC
ATAGGCAGCAAGGGCTGATTCTAGGATAAGCACTAGATCTCCCTTAATAAACTCACAACCTCT
CTGGTTC

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